



Anderson, Oconee and Pickens 2019 Environmental Scan

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Economy Overview

402,482

Population (2018)

Population **grew by 18,186** over the last 5 years and is projected to **grow by 13,489** over the next 5 years.

143,651

Jobs (2018)

Jobs **grew by 9,997** over the last 5 years and are projected to **grow by 6,962** over the next 5 years.

\$47.9K

Avg. Earnings Per Job (2018)

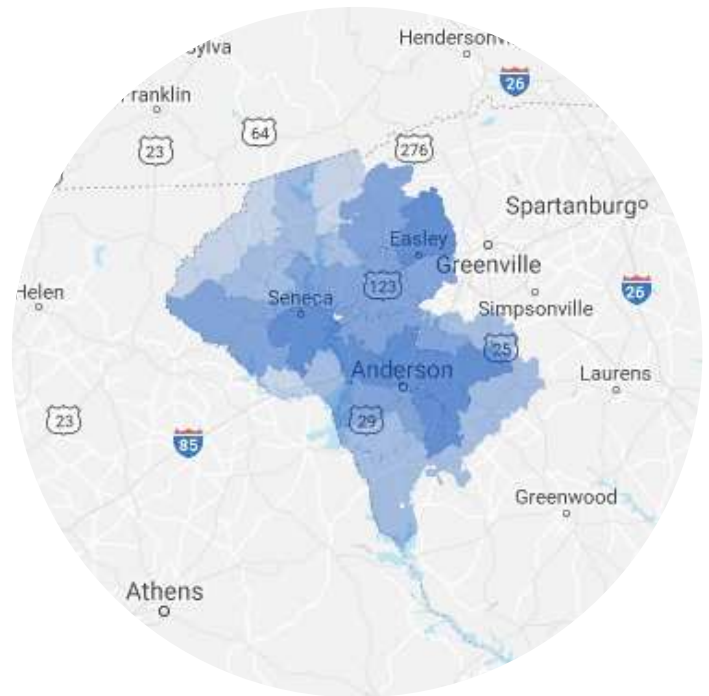
Regional average earnings per job are **\$17.2K below** the national average earnings of \$65.1K per job.

As of 2018 the region's population **increased by 4.7%** since 2013, growing by 18,186. Population is expected to **increase by 3.4%** between 2018 and 2023, adding 13,489.

From 2013 to 2018, jobs **increased by 7.5%** in Anderson, Oconee, and Pickens from 133,655 to **143,651**. This change **fell short of the national growth rate of 7.8% by 0.3%**. As the number of jobs increased, the **labor force participation rate decreased from 54.9% to 54.5%** between 2013 and 2018.

Concerning educational attainment, **13.3% of the selected regions' residents possess a Bachelor's Degree** (5.3% below the national average), and **9.8% hold an Associate's Degree** (1.8% above the national average).

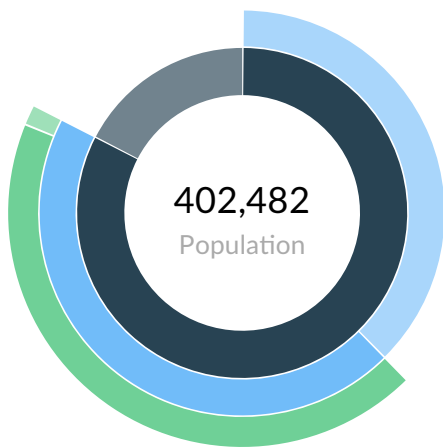
The top three industries in 2018 are Education and Hospitals (Local Government), Restaurants and Other Eating Places, and Education and Hospitals (State Government).



	Population (2018)	Labor Force (2018)	Jobs (2018)	Cost of Living	GRP	Imports	Exports
Region	402,482	181,013	143,651	100.9	\$13.45B	\$19.73B	\$15.73B
South Carolina	5,081,519	2,316,490	2,267,670	100.5	\$221.80B	\$225.57B	\$250.67B

Economy Overview - Cont.

2018 Labor Force Breakdown



	Population
● Total Working Age Population	332,121
● Not in Labor Force (15+)	151,108
● Labor Force	181,013
● Employed	175,291
● Unemployed	5,722
● Under 15	70,361

Educational Attainment

Concerning educational attainment, **13.3% of the selected regions' residents possess a Bachelor's Degree** (5.3% below the national average), and **9.8% hold an Associate's Degree** (1.8% above the national average).

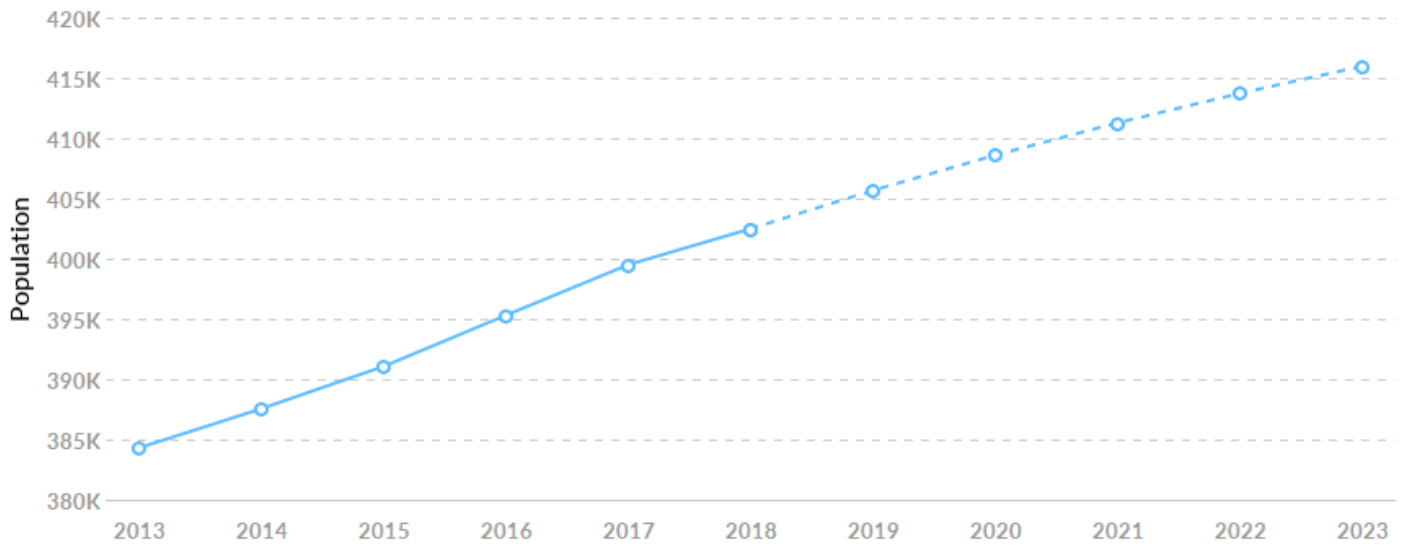


	% of Population	Population
● Less Than 9th Grade	6.3%	17,115
● 9th Grade to 12th Grade	9.9%	27,165
● High School Diploma	32.4%	88,772
● Some College	19.9%	54,545
● Associate's Degree	9.8%	26,752
● Bachelor's Degree	13.3%	36,361
● Graduate Degree and Higher	8.4%	22,899

Historic & Projected Trends

Population Trends

As of 2018 the region's population **increased by 4.7%** since 2013, growing by 18,186. Population is expected to **increase by 3.4%** between 2018 and 2023, adding 13,489.

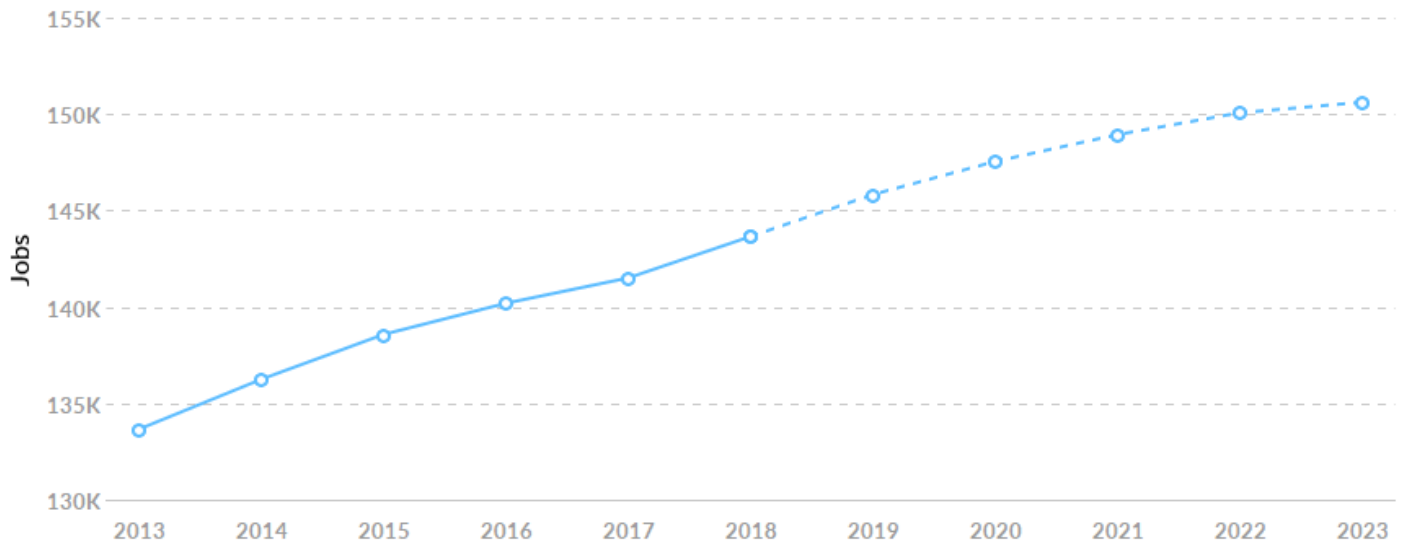


Timeframe	Population
2013	384,296
2014	387,551
2015	391,061
2016	395,304
2017	399,499
2018	402,482
2019	405,668
2020	408,590
2021	411,270
2022	413,723
2023	415,971

Historic & Projected Trends - Cont.

Job Trends

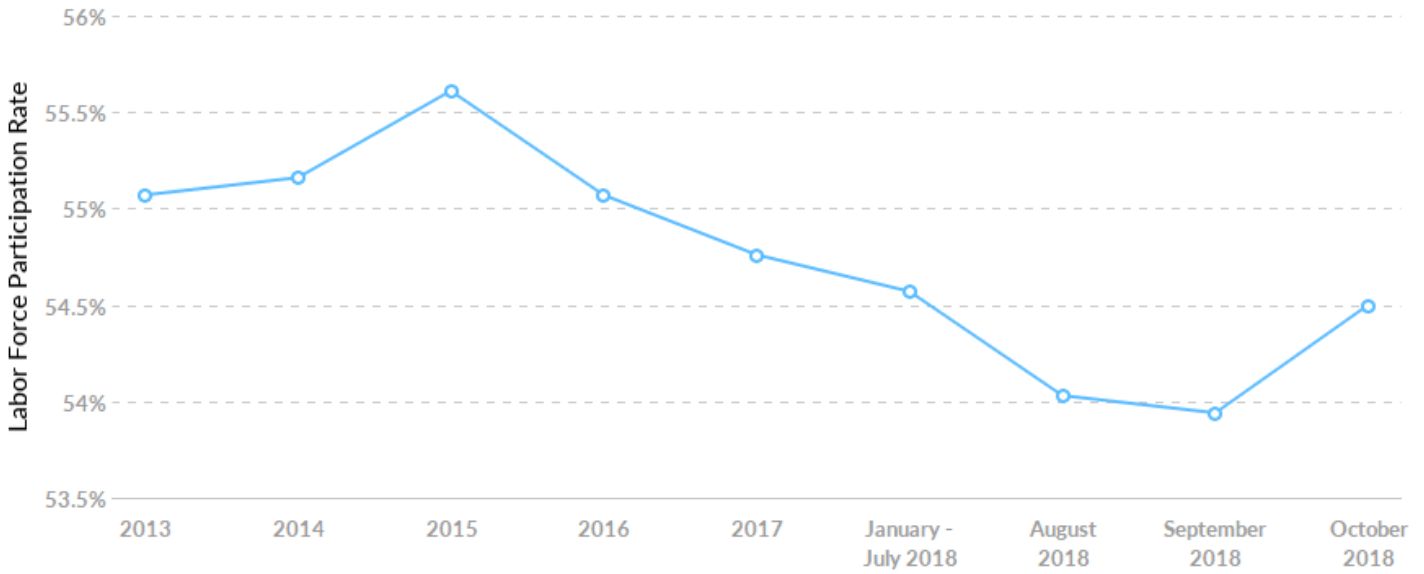
From 2013 to 2018, jobs increased by 7.5% in Anderson, Oconee, and Pickens from 133,655 to **143,651**. This change fell short of the national growth rate of 7.8% by 0.3%.



Timeframe	Jobs
2013	133,655
2014	136,244
2015	138,571
2016	140,188
2017	141,502
2018	143,651
2019	145,827
2020	147,543
2021	148,935
2022	150,067
2023	150,613

Historic & Projected Trends - Cont.

Labor Force Participation Rate Trends

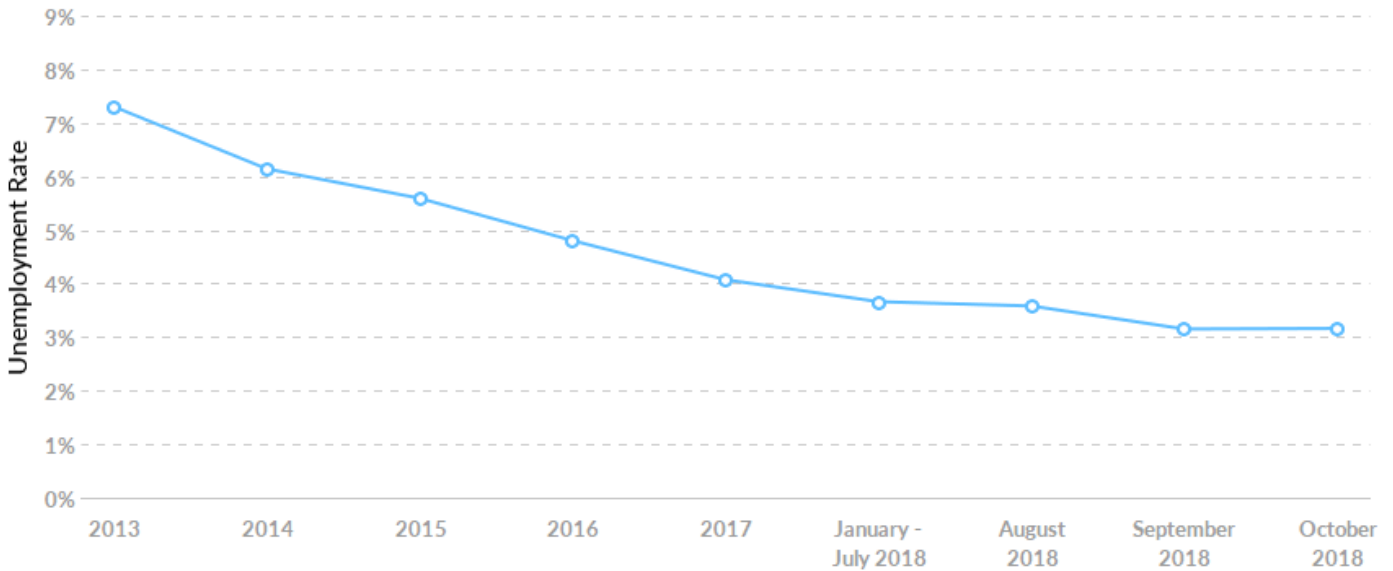


Timeframe	Labor Force Participation Rate
2013	55.07%
2014	55.16%
2015	55.61%
2016	55.07%
2017	54.76%
January - July 2018	54.57%
August 2018	54.03%
September 2018	53.94%
October 2018	54.50%

Historic & Projected Trends - Cont.

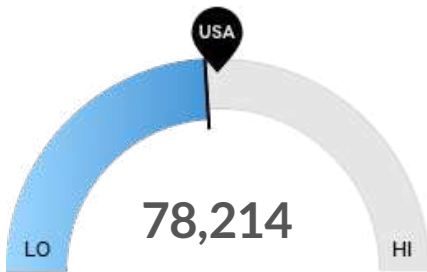
Unemployment Rate Trends

Your areas had an October 2018 unemployment rate of 3.16%, **decreasing from 7.30%** 5 years before.



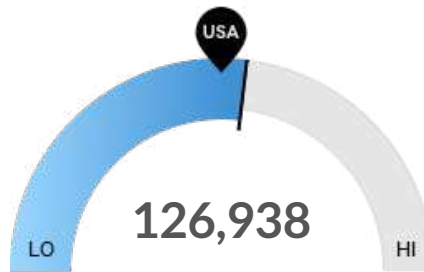
Timeframe	Unemployment Rate
2013	7.30%
2014	6.14%
2015	5.59%
2016	4.80%
2017	4.07%
January - July 2018	3.66%
August 2018	3.58%
September 2018	3.15%
October 2018	3.16%

Population Characteristics



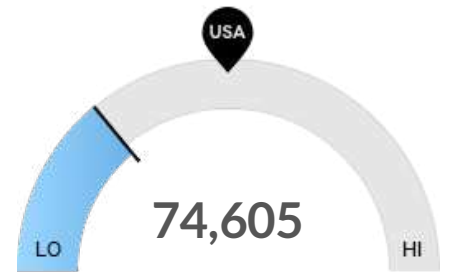
Millennials

Your area has 78,214 millennials (ages 20-34). The national average for an area this size is 82,742.



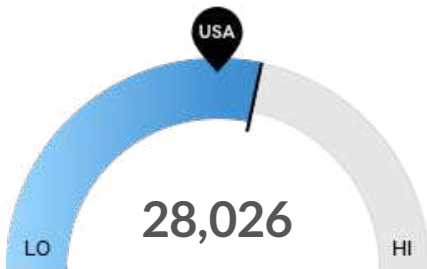
Retiring Soon

Retirement risk is high in your area. The national average for an area this size is 113,887 people 55 or older, while there are 126,938 here.



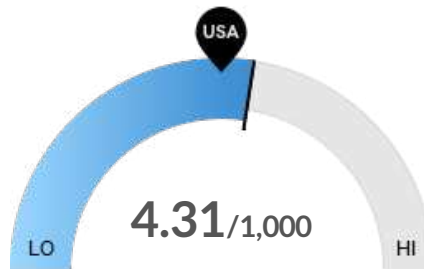
Racial Diversity

Racial diversity is low in your area. The national average for an area this size is 156,891 racially diverse people, while there are 74,605 here.



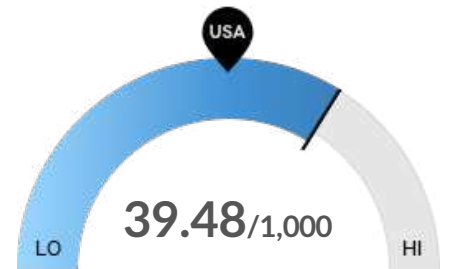
Veterans

Your area has 28,026 veterans. The national average for an area this size is 23,229.



Violent Crime

Your area has 4.31 violent crimes per 1,000 people. The national rate is 3.75 per 1,000 people.

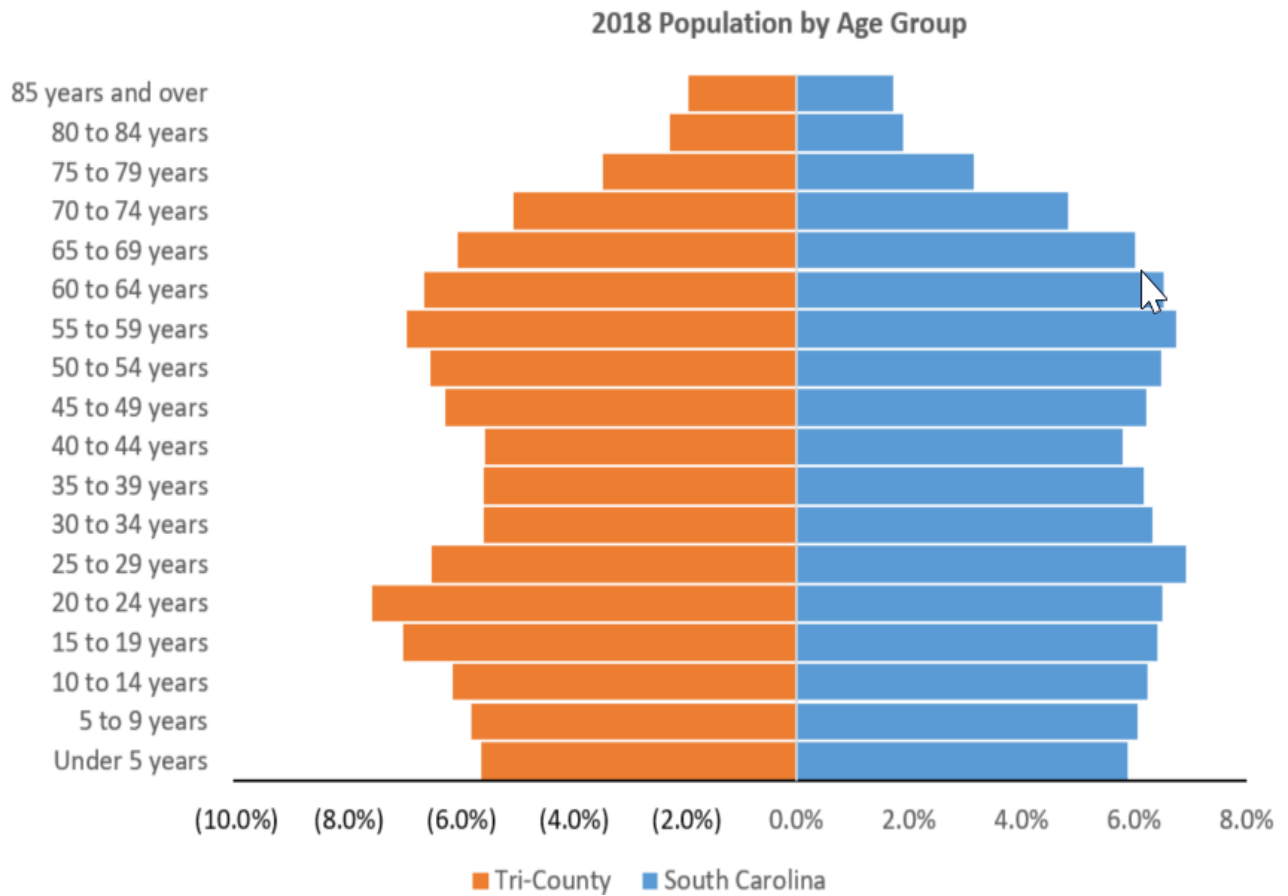


Property Crime

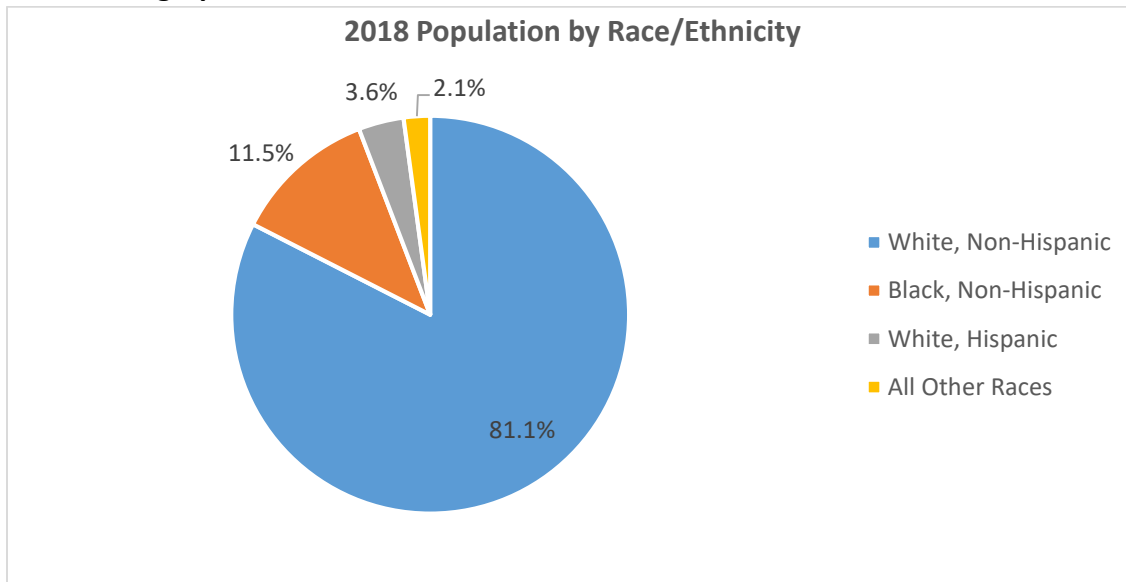
Your area has 39.48 property crimes per 1,000 people. The national rate is 24.21 per 1,000 people.

Population Characteristics

Age Demographics



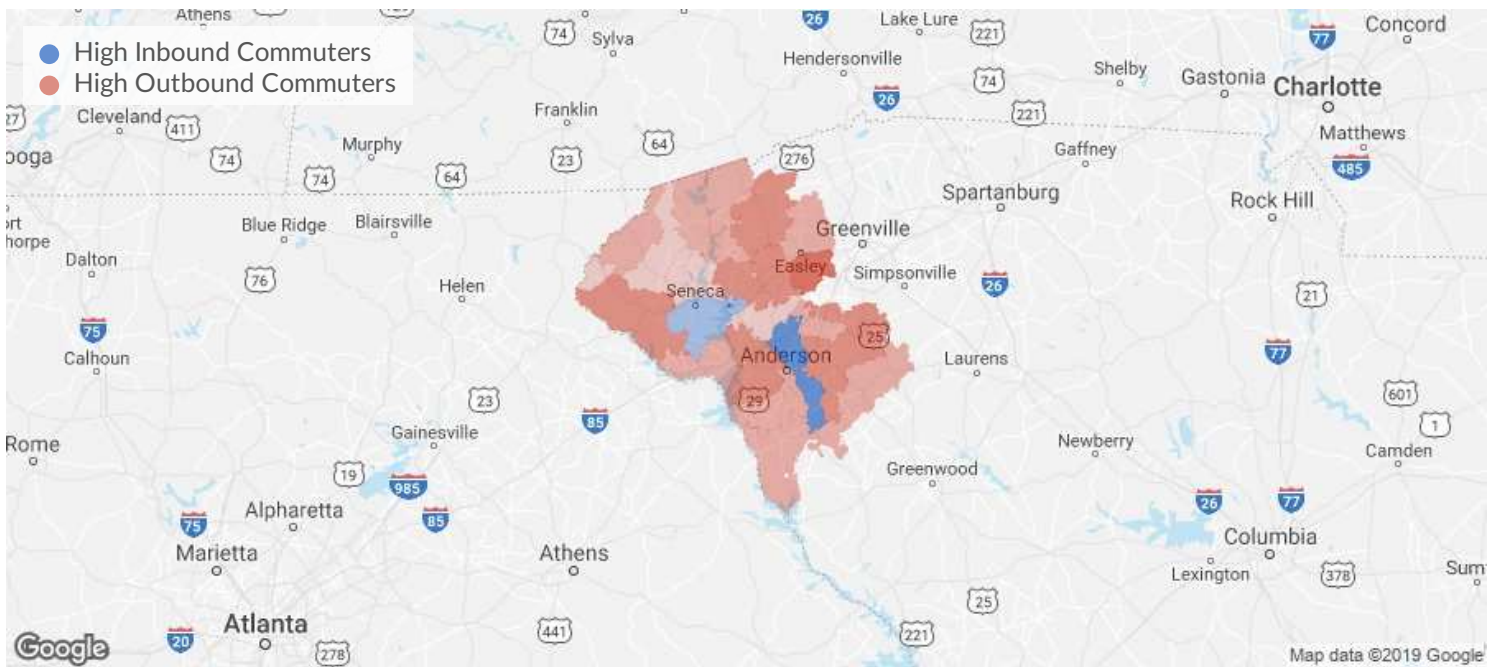
Race Demographics



Population Characteristics - Cont.

Place of Work vs Place of Residence

Understanding where talent in the region currently works compared to where talent lives can help you optimize site decisions.



Where Talent Works

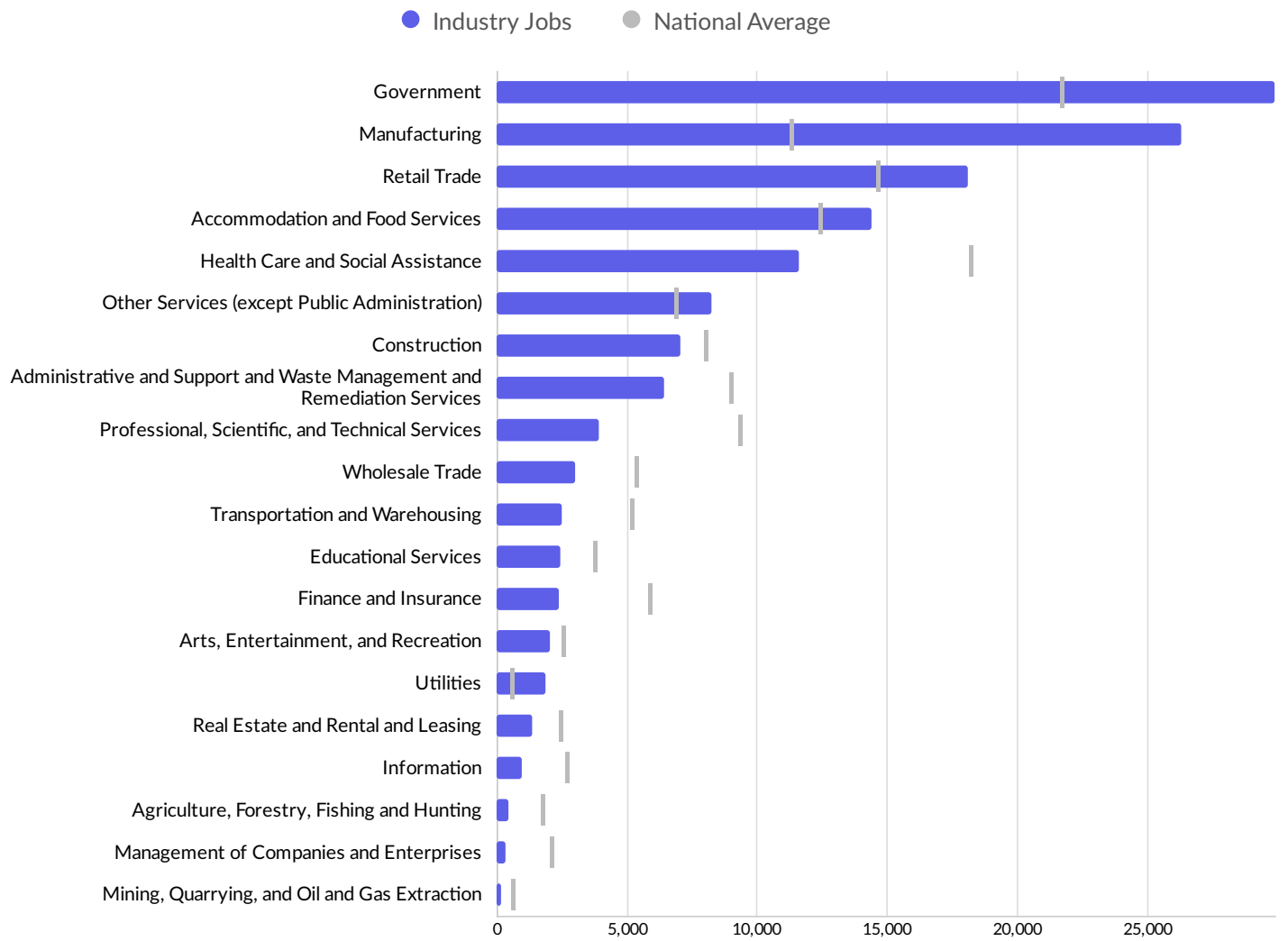
Where Talent Lives

ZIP	Name	2018 Employment
29621	Anderson, SC (in Ande...	30,632
29640	Easley, SC (in Pickens c...	13,461
29678	Seneca, SC (in Oconee...	10,843
29625	Anderson, SC (in Ande...	9,316
29634	Clemson, SC (in Picken...	8,221

ZIP	Name	2018 Workers
29621	Anderson, SC (in Ande...	19,641
29642	Easley, SC (in Pickens c...	15,600
29640	Easley, SC (in Pickens c...	14,065
29625	Anderson, SC (in Ande...	14,049
29678	Seneca, SC (in Oconee...	9,176

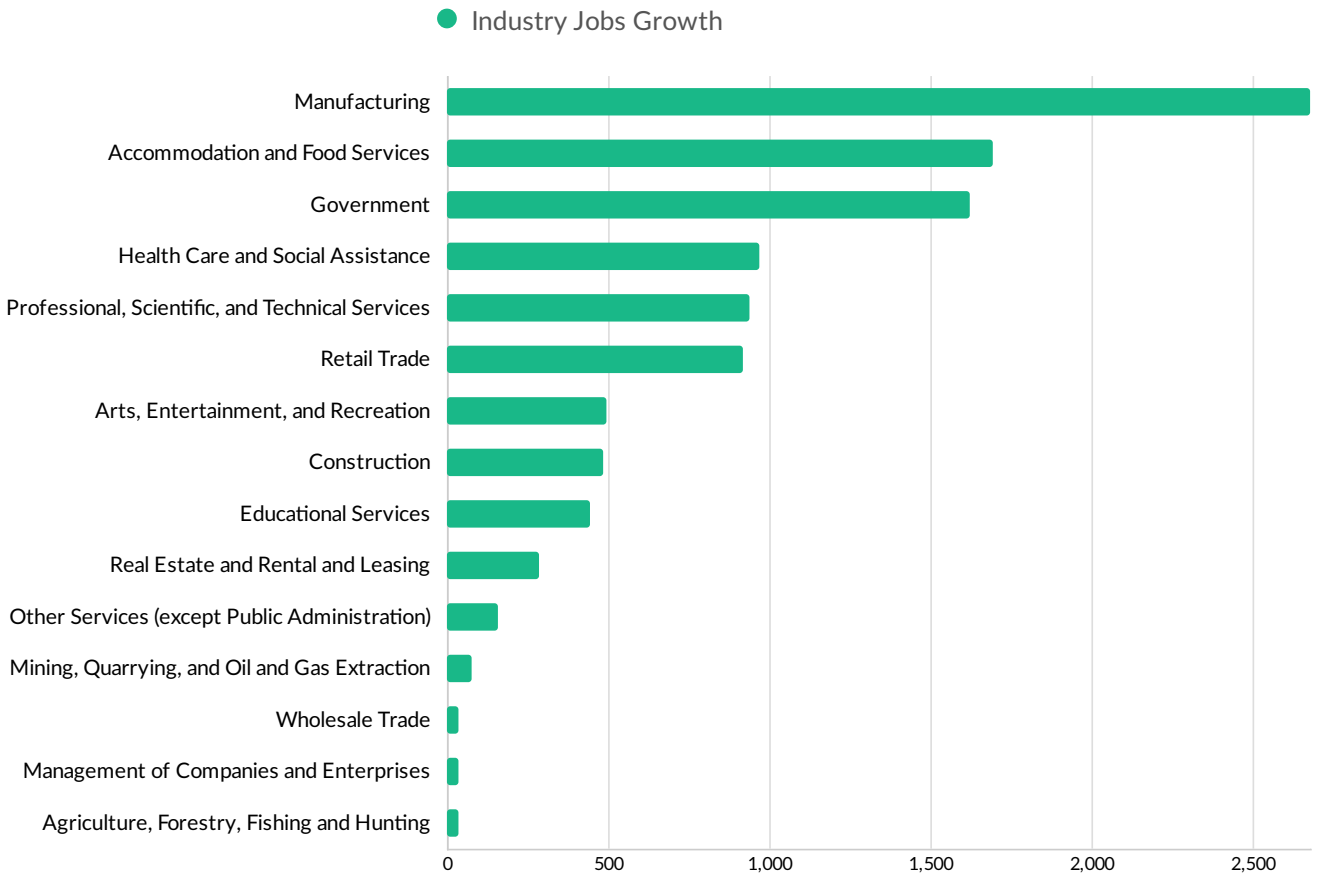
Industry Characteristics

Largest Industries



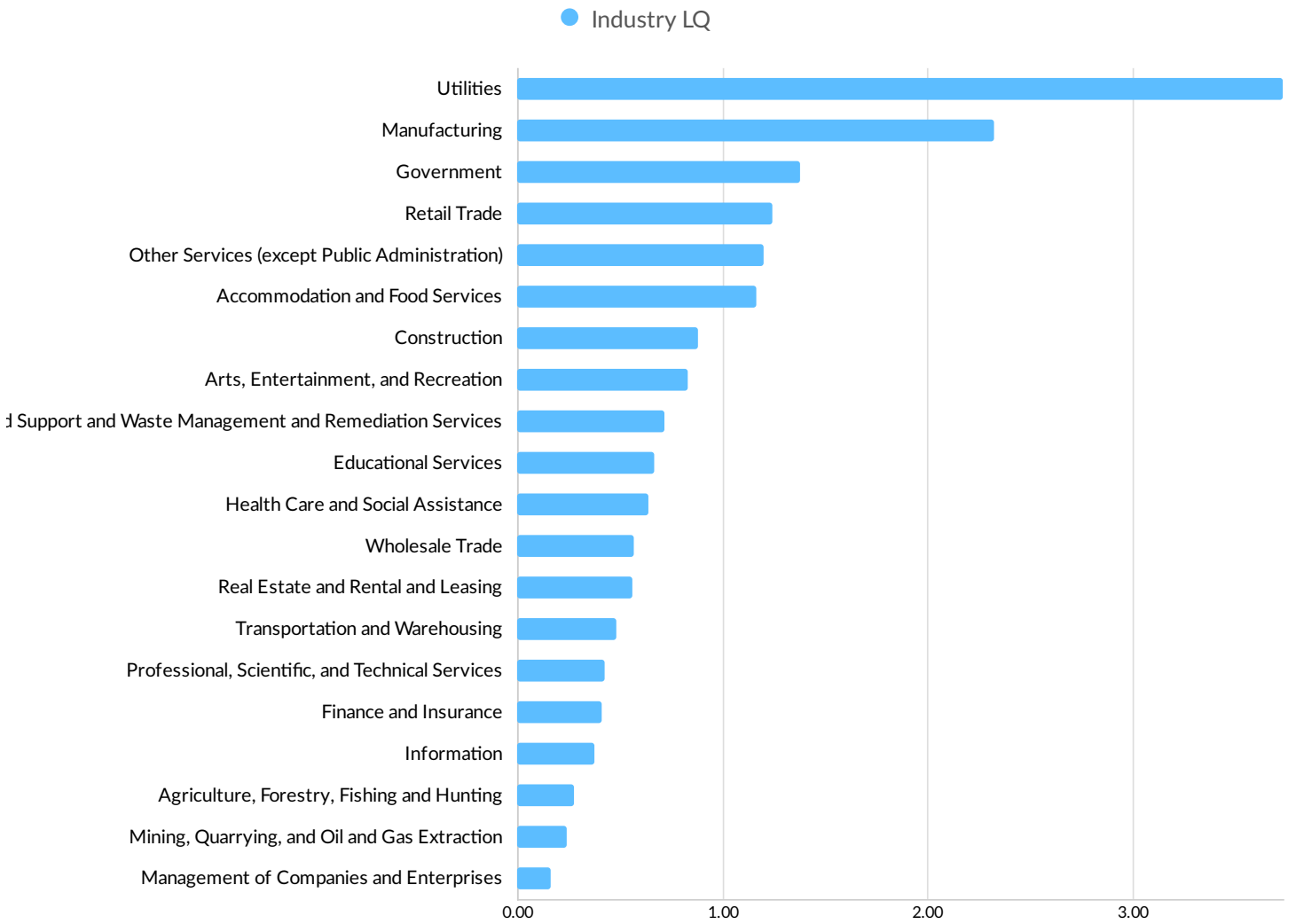
Industry Characteristics - Cont.

Top Growing Industries



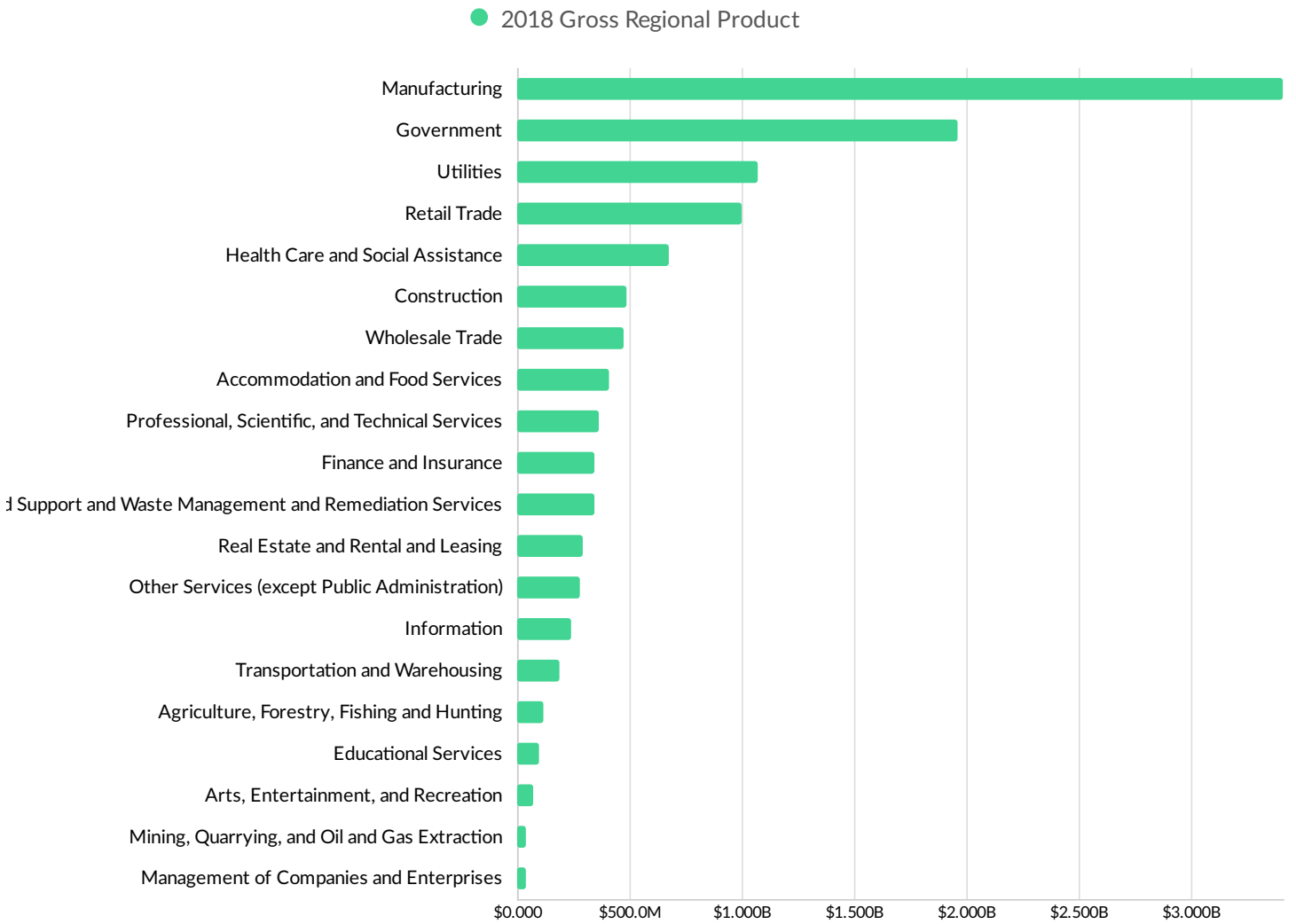
Industry Characteristics - Cont.

Top Industry LQ



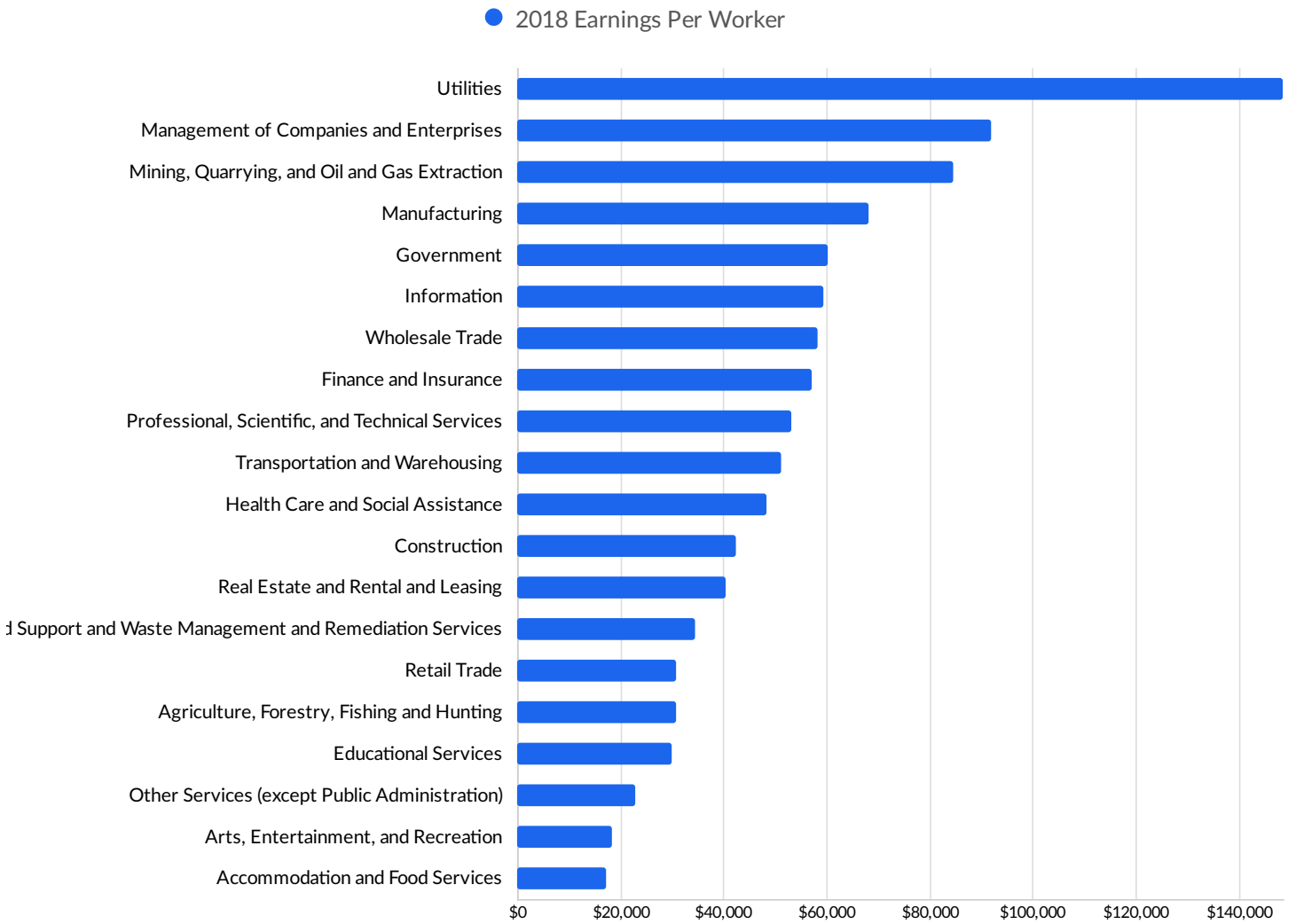
Industry Characteristics - Cont.

Top Industry GRP



Industry Characteristics - Cont.

Top Industry Earnings























Industry Characteristics - Cont.

Industry	2013 Jobs	2018 Jobs	Change in Jobs	% Change in Jobs	2018 LQ	2018 Earnings Per Worker	2018 GRP
Government	28,304	29,925	1,621	+6%	1.38	\$60,330	\$1.96B
Manufacturing	23,638	26,316	2,678	+11%	2.33	\$68,040	\$3.41B
Retail Trade	17,198	18,118	920	+5%	1.24	\$30,778	\$1.00B
Accommodation and Food Services	12,719	14,412	1,693	+13%	1.17	\$17,390	\$411.10M
Health Care and Social Assistance	10,648	11,618	970	+9%	0.64	\$48,273	\$677.85M
Other Services (except Public Administration)	8,086	8,245	159	+2%	1.20	\$22,791	\$277.26M
Construction	6,562	7,045	483	+7%	0.89	\$42,566	\$486.69M
Administrative and Support and Waste Management and Remediation Services	6,483	6,438	-45	-1%	0.72	\$34,599	\$341.74M
Professional, Scientific, and Technical Services	3,002	3,940	938	+31%	0.42	\$53,104	\$363.84M
Wholesale Trade	2,989	3,027	38	+1%	0.57	\$58,399	\$476.28M
Transportation and Warehousing	2,699	2,485	-214	-8%	0.48	\$51,248	\$191.54M
Educational Services	2,017	2,460	443	+22%	0.67	\$29,942	\$97.50M
Finance and Insurance	2,800	2,399	-401	-14%	0.41	\$57,098	\$345.03M
Arts, Entertainment, and Recreation	1,584	2,078	494	+31%	0.83	\$18,417	\$71.02M
Utilities	1,909	1,853	-56	-3%	3.74	\$148,517	\$1.07B
Real Estate and Rental and Leasing	1,069	1,356	287	+27%	0.56	\$40,329	\$292.53M
Information	1,154	996	-158	-14%	0.38	\$59,315	\$238.50M
Agriculture, Forestry, Fishing and Hunting	433	467	34	+8%	0.28	\$30,771	\$114.16M
Management of Companies and Enterprises	293	329	36	+12%	0.16	\$91,916	\$38.95M

Business Characteristics

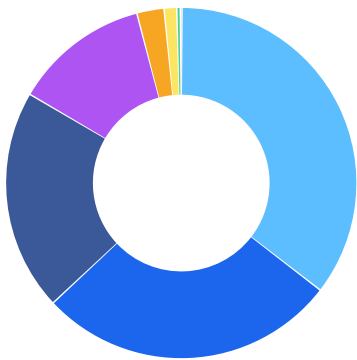
26,910 Companies Employ Your Workers

Online profiles for your workers mention 26,910 companies as employers, with the top 10 appearing below. In the last 12 months, 3,743 companies in your area posted job postings, with the top 10 appearing below.

Top Companies	Profiles	Top Companies Posting	Unique Postings
Clemson University	2,492 	CRST International, Inc.	1,609 
Duke Energy Corporation	532 	Clemson University	1,327 
Greenville Health System	507 	USA Truck, Inc.	886 
Anmed Health	366 	C.R. England, Inc.	542 
Michelin North America, Inc.	324 	Lowe's Companies, Inc.	513 
Anderson School District One	321 	State of South Carolina	455 
School District of Pickens Cou...	308 	Averitt Express, Inc.	431 
Wal-Mart Stores, Inc.	288 	Home Instead Senior Care	426 
Oconee Memorial Hospital Inc	204 	Greenville Health System	418 
Tri-County Technical College Fo...	203 	Tutree, Inc.	403 

Business Characteristics - Cont.

Business Size

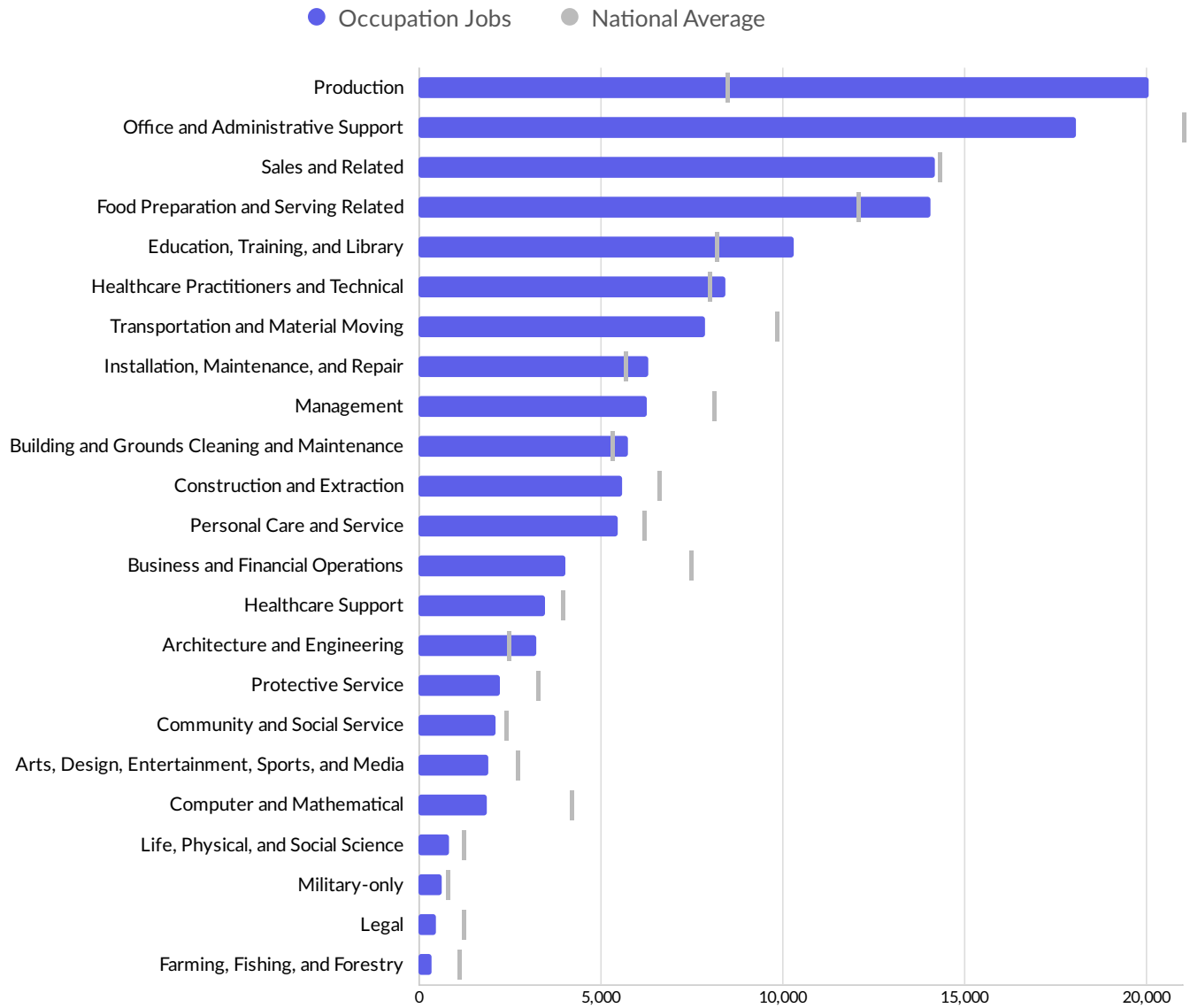


	Percentage	Business Count
1 to 4 employees	35.4%	4,137
5 to 9 employees	27.6%	3,226
10 to 19 employees	20.4%	2,386
20 to 49 employees	12.5%	1,460
50 to 99 employees	2.5%	293
100 to 249 employees	1.2%	136
250 to 499 employees	0.3%	38
500+ employees	0.2%	18

**Business Data by DatabaseUSA.com is third-party data provided by Emsi to its customers as a convenience, and Emsi does not endorse or warrant its accuracy or consistency with other published Emsi data. In most cases, the Business Count will not match total companies with profiles on the summary tab.*

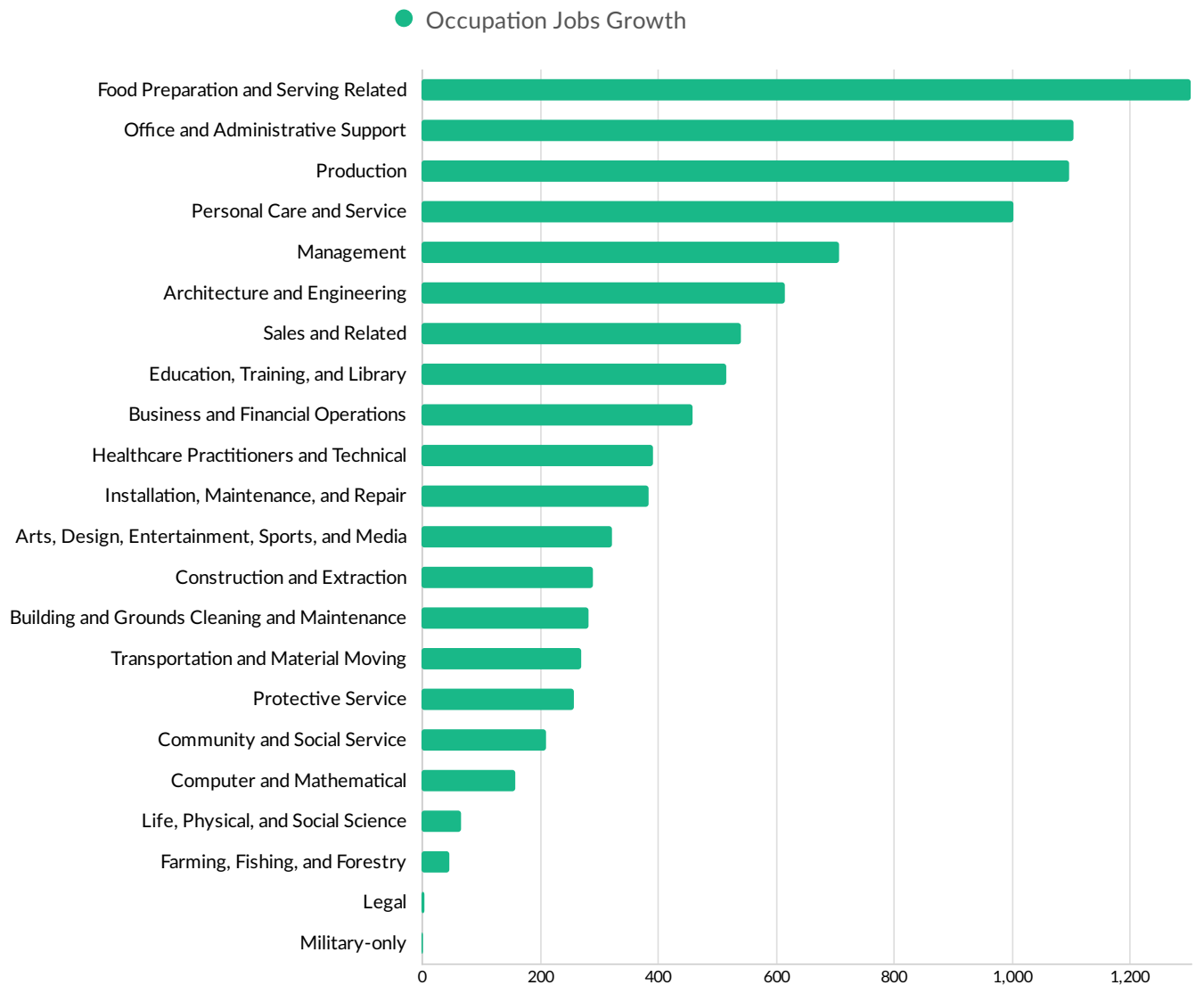
Workforce Characteristics

Largest Occupations



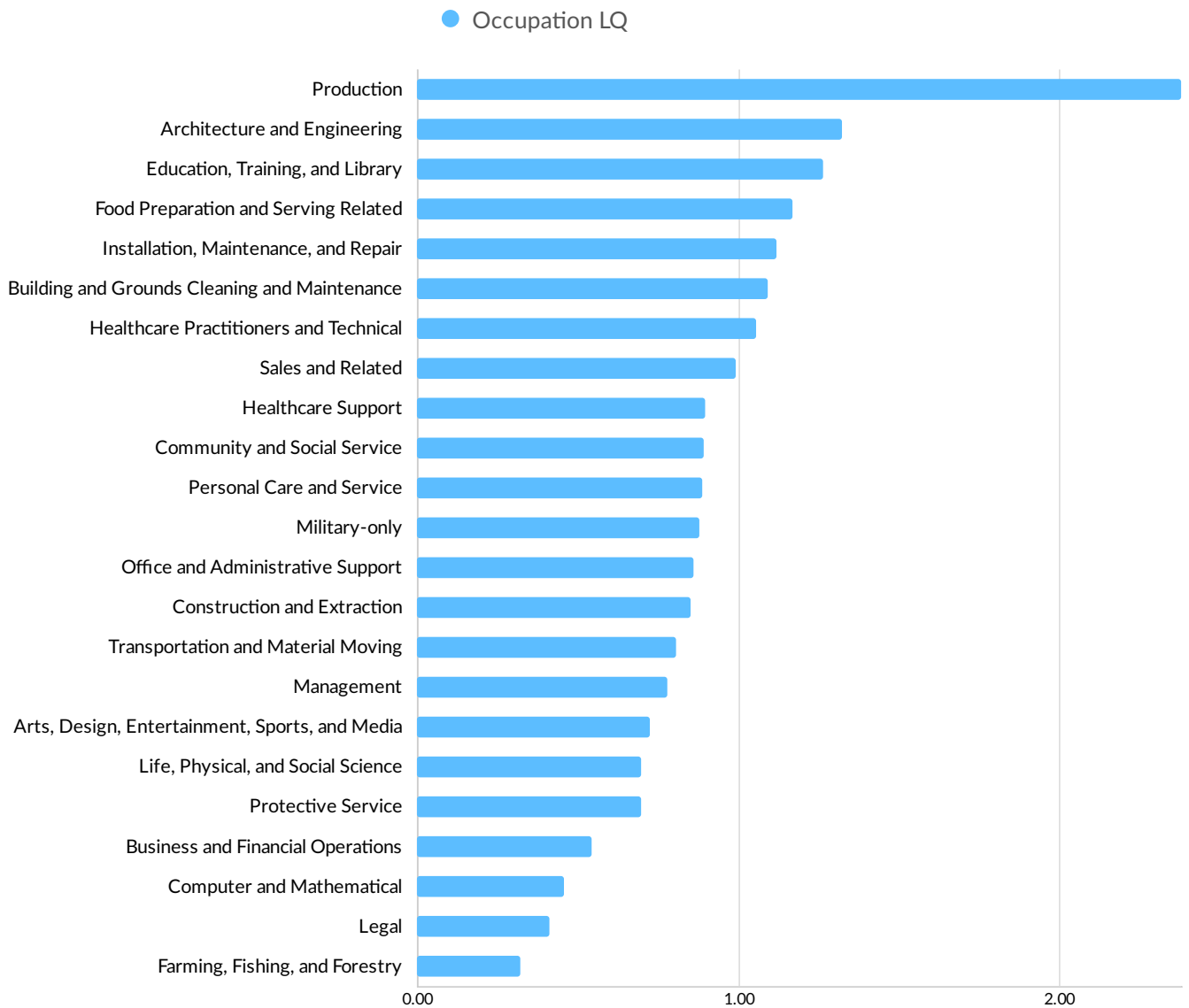
Workforce Characteristics - Cont.

Top Growing Occupations



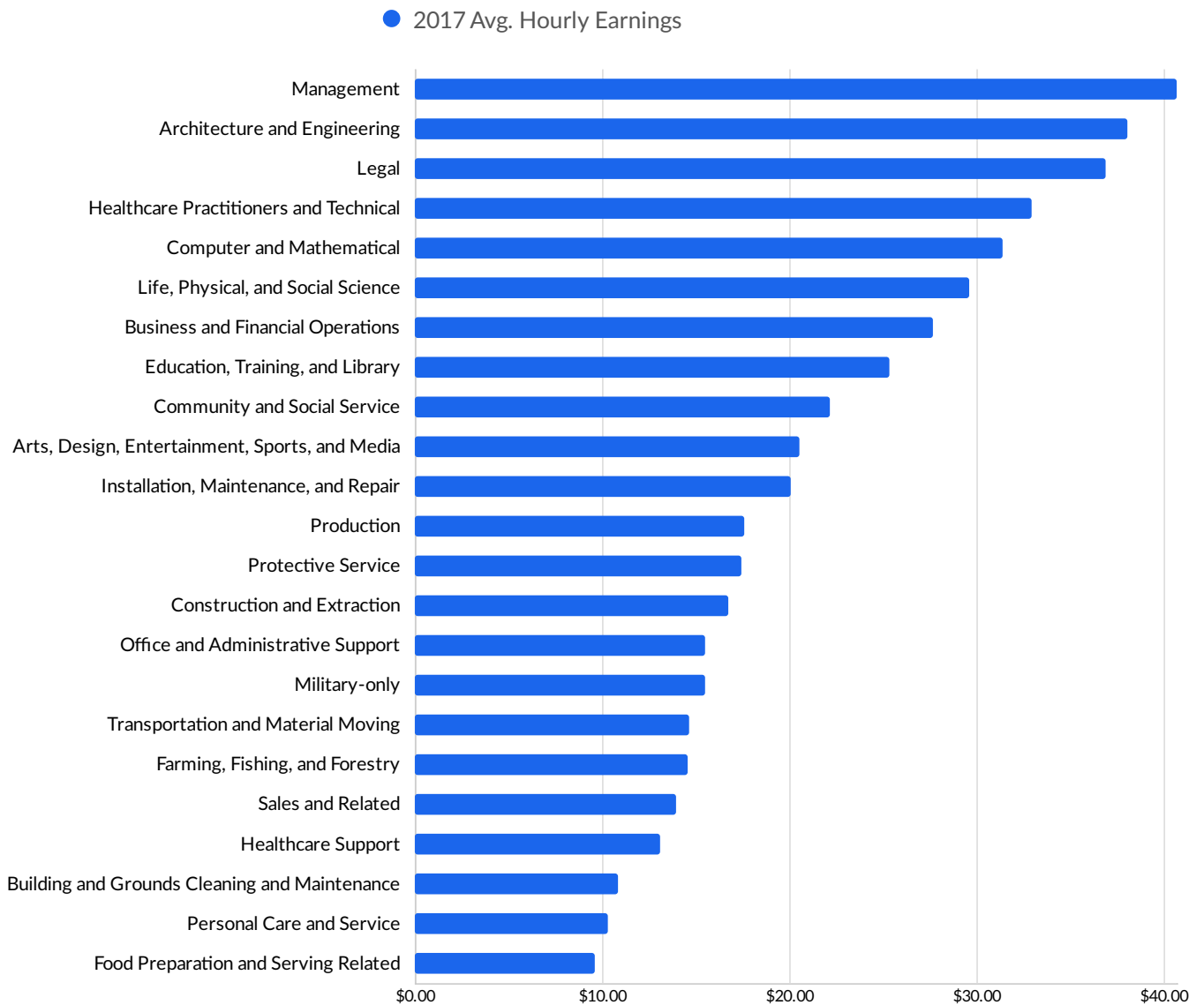
Workforce Characteristics - Cont.

Top Occupation LQ



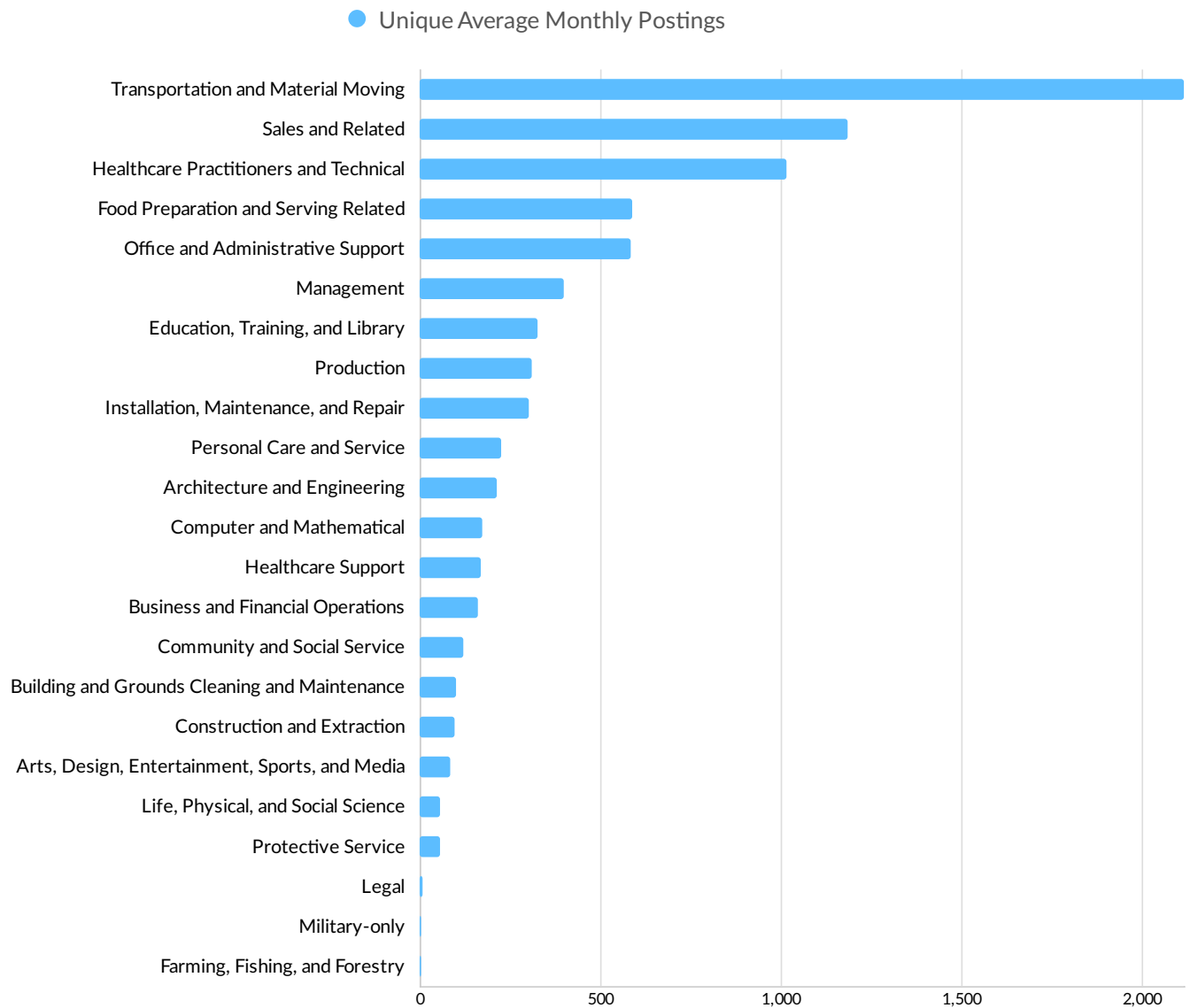
Workforce Characteristics - Cont.

Top Occupation Earnings



Workforce Characteristics - Cont.

Top Posted Occupations



Workforce Characteristics - Cont.

Occupation	2013 Jobs	2018 Jobs	Change in Jobs	% Change in Jobs	2018 LQ	2017 Avg. Hourly Earnings	Jan 2018 - Dec 2018 Unique Average Monthly Postings
Production	18,952	20,049	1,097	+6%	2.38	\$17.63	309
Office and Administrative Support	16,946	18,051	1,105	+7%	0.86	\$15.52	587
Sales and Related	13,660	14,201	541	+4%	0.99	\$13.98	1,187
Food Preparation and Serving Related	12,775	14,079	1,304	+10%	1.17	\$9.64	589
Education, Training, and Library	9,804	10,321	517	+5%	1.27	\$25.34	327
Healthcare Practitioners and Technical	8,036	8,428	392	+5%	1.06	\$32.98	1,018
Transportation and Material Moving	7,604	7,874	270	+4%	0.81	\$14.65	2,119
Installation, Maintenance, and Repair	5,911	6,295	384	+6%	1.12	\$20.09	302
Management	5,585	6,293	708	+13%	0.78	\$40.72	398
Building and Grounds Cleaning and Maintenance	5,481	5,764	283	+5%	1.09	\$10.84	102
Construction and Extraction	5,285	5,576	291	+6%	0.85	\$16.76	95
Personal Care and Service	4,464	5,467	1,003	+22%	0.89	\$10.33	227
Business and Financial Operations	3,573	4,033	460	+13%	0.54	\$27.70	163
Healthcare Support	3,537	3,488	-49	-1%	0.90	\$13.09	171
Architecture and Engineering	2,616	3,232	616	+24%	1.33	\$38.06	216
Protective Service	1,988	2,246	258	+13%	0.70	\$17.47	57
Community and Social Service	1,904	2,116	212	+11%	0.89	\$22.19	121

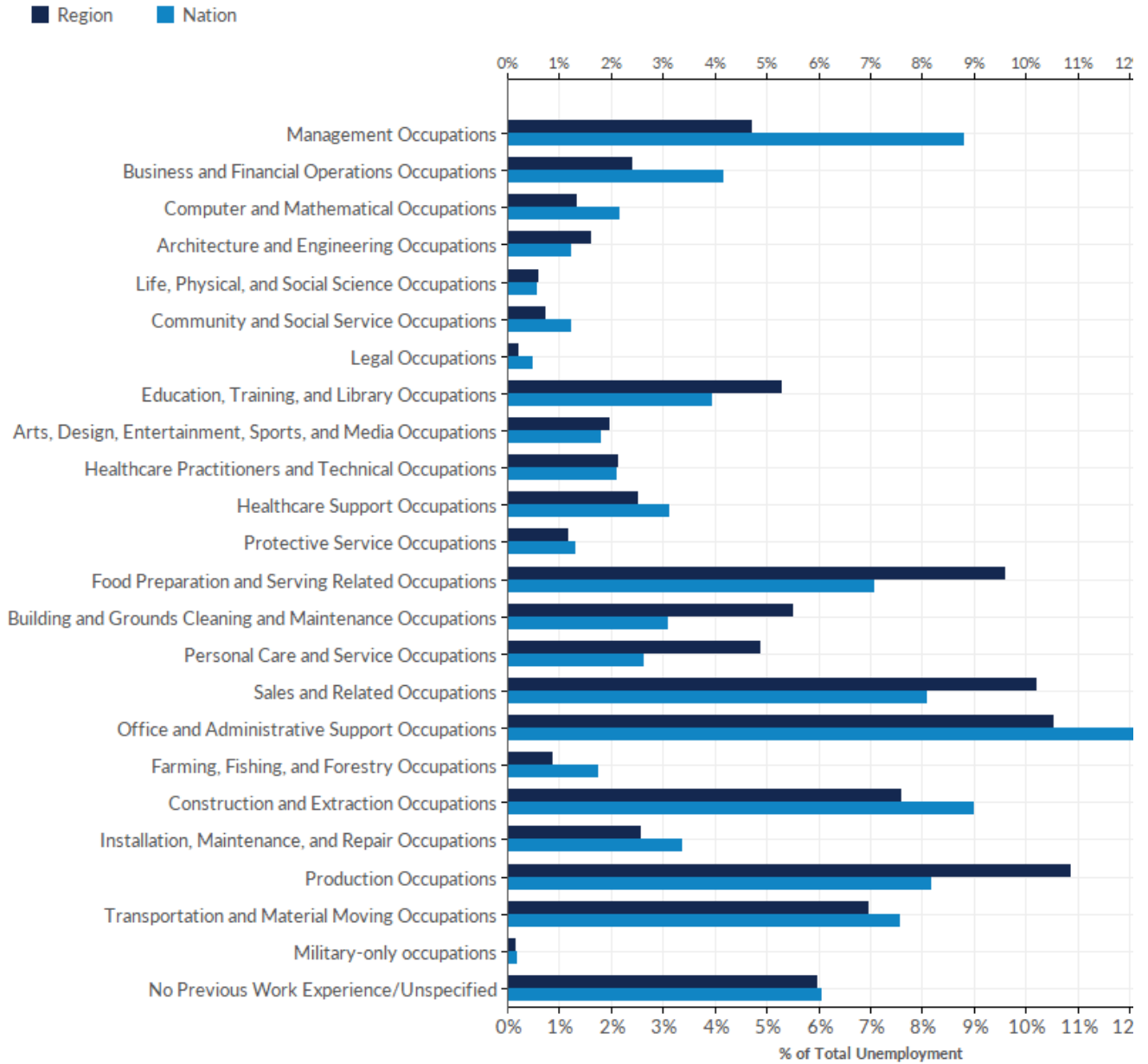
Workforce Characteristics - Cont.

Occupation	2013 Jobs	2018 Jobs	Change in Jobs	% Change in Jobs	2018 LQ	2017 Avg. Hourly Earnings	Jan 2018 - Dec 2018 Unique Average Monthly Postings
Arts, Design, Entertainment, Sports, and Media	1,603	1,925	322	+20%	0.72	\$20.57	85
Computer and Mathematical	1,733	1,892	159	+9%	0.46	\$31.41	172
Life, Physical, and Social Science	760	828	68	+9%	0.70	\$29.64	57
Military-only	653	655	2	+0%	0.88	\$15.50	4
Legal	482	488	6	+1%	0.41	\$36.89	7
Farming, Fishing, and Forestry	302	349	47	+16%	0.32	\$14.58	3

Unemployment by Occupation

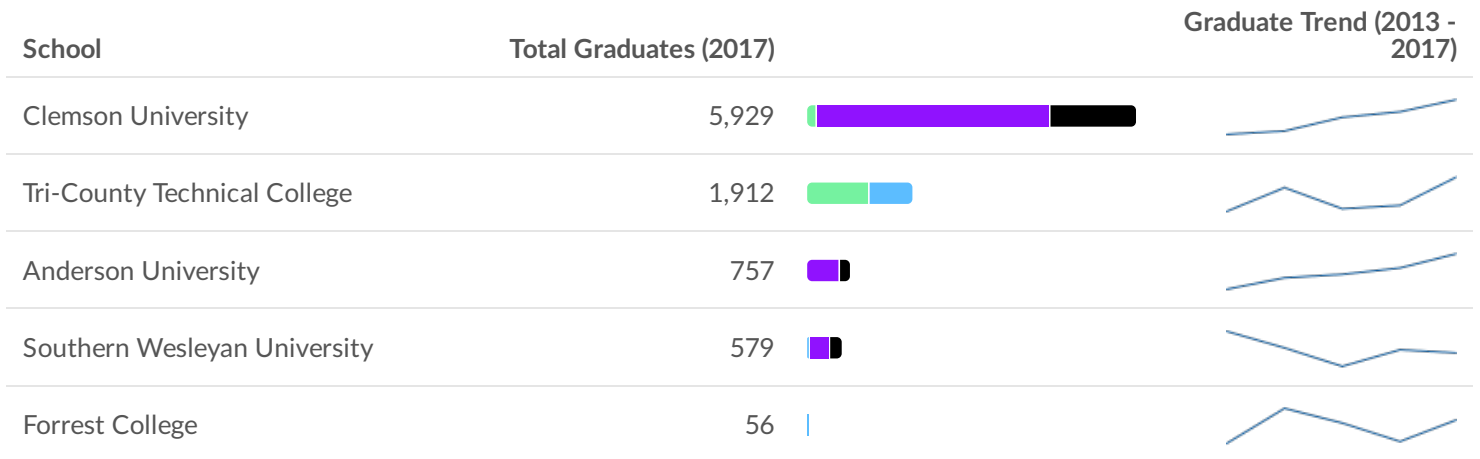
6,447

Total Unemployment (7/2018)



Educational Pipeline

In 2017, there were 9,233 graduates in Anderson, Oconee, and Pickens. This pipeline has grown by 25% over the last 5 years. The highest share of these graduates come from "Business Administration and Management, General", Liberal Arts and Sciences/Liberal Studies, and "Biology/Biological Sciences, General".



● Certificate
 ● Associate's
 ● Bachelor's
 ● Master's or Higher

Tri-County Technical College Credit Student Enrollment

Term	Bridge Enrollment	Remaining Enrollment	Total Enrollment
Fall 2014	747	5,639	6,386
Fall 2015	791	5,337	6,128
Fall 2016	796	5,298	6,094
Fall 2017	793	5,276	6,069
Fall 2018	850	5,232	6,082

Source: ISIS Rpt 7 and Opening Fall CERS Data

Headcount, FTE and Average Age

Credit Students	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Headcount	6,386.0	6,128.0	6,094.0	6,069.0	6,082.0
FTE	4,653.0	4,463.5	4,451.7	4,409.3	4,417.4
Average Age as of August	23.0	22.3	22.2	22.1	21.9

Source: Tri-County Technical College Opening Fall CERS Data

Full-time/Part-time Status

	Fall 2014		Fall 2015		Fall 2016		Fall 2017		Fall 2018	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Full-time	3,564	55.8	3,451	56.3	3,375	55.4	3,351	55.2	3,361	55.3
Part-time	2,822	44.2	2,677	43.7	2,719	44.6	2,718	44.8	2,721	44.7

Source: Tri-County Technical College Opening Fall CERS Data

Gender

	Fall 2014		Fall 2015		Fall 2016		Fall 2017		Fall 2018	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Female	3,361	52.6	3,067	50.0	3,119	51.2	3,143	51.8	3,130	51.5
Male	3,025	47.4	3,061	50.0	2,975	48.8	2,926	48.2	2,952	48.5

Source: Tri-County Technical College Opening Fall CERS Data

Recent High School Graduates by District

Year	Anderson 1	Anderson 2	Anderson 3	Anderson 4	Anderson 5	Oconee	Pickens	Total # of Grads Per Year	Total #/% of Grads Entering TCTC in Fall
2004	435	179	118	154	623	556	794	2859	573 (20%)
2005	462	192	108	140	630	507	793	2832	631 (22%)
2006	446	216	132	147	675	641	859	3116	615 (20%)
2007	488	209	120	194	617	694	955	3277	616 (19%)
2008	490	173	132	154	655	597	906	3107	634 (20%)
2009	565	221	123	205	686	660	897	3359	657 (20%)
2010	566	223	148	160	690	715	977	3479	765 (22%)
2011	511	218	148	172	697	716	933	3395	820 (24%)
2012	580	210	144	177	673	616	927	3327	774 (23%)
2013	586	243	155	192	638	688	1042	3544	883 (24.9%)
2014	601	234	146	194	661	665	1018	3519	894 (25.4%)
2015	657	248	164	192	716	644	1017	3638	900 (24.7%)
2016	630	251	144	177	802	629	1125	3758	854 (22.7%)
2017	733	259	167	189	746	651	1122	3867	851 (22%)
2018	697	245	167	197	752	663	1115	3836	890 (23.2%)

Recent High School Graduates Compared to # in Senior Classes

Year	# HS Juniors	# HS Seniors	# HS Graduates	# Entering TCTC in Fall	% of AOP Grads Entering TCTC in Fall
2014		3786	3519	894	25.4%
2015		3759	3638	900	24.7%
2016		3841	3758	854	22.7%
2017		3998	3867	851	22%
2017 – 2018	4041	3947	3836	890	23.2%
2018 – 2019	3933	4012	TBD	TBD	TBD

Economic Condition and Outlook

A primary mission of the South Carolina technical colleges is to support economic development through education and training for the citizens of South Carolina. Tri-County Technical College's financial health is closely linked to the economic conditions of the State and the local communities served by the College, and the funding priorities established by the General Assembly and our local governmental bodies. An ongoing challenge and risk to the College's fiscal stability is State and local funding.

Over the last decade the College experienced significant declines in State funding; however, in the last few years State funding has provided slight increases while local funding has remained relatively flat or provided low single-digit increases. Increases in funding are attributable to improving economic conditions and recognition by our legislative delegations of the value the College delivers to the State and local government within its service area.

Enrollment was flat in FY 2018 compared to FY 2017. Enrollment had been trending down since FY2011, with the exception of FY2014 where enrollment saw a slight increase of 1.8%. In FY2011, enrollment reached a peak after a four-year period of explosive enrollment growth of 32.9%.

Continued enrollment growth is a struggle due to the strengthening economy, a reduction in the number of graduating high school students, and increased competition of alternative educational opportunities including, but not limited to, on-line options. The pressure on enrollment is being experienced across the South Carolina Technical College system. Tri-County is addressing this trend by developing strategies and marketing programs to engage prospective students earlier and to more clearly communicate the College's value proposition. Tri-County changed its matriculation process to emphasize student success in equal proportion to student access. The College imposed admissions deadlines in an effort to provide more time for assessing, advising, and preparing incoming students for transition to college. While the College believes these changes are necessary to achieve sustained enrollment growth and improve student success, it may take several years to fully operationalize the changes and yield consistent favorable results.

The College administration budgets conservatively and accurately forecasts these changes in enrollment. As a result of deliberate planning, strong budget management, and a stabilization of State support, the College continues to operate on a fiscally sound basis.

Political trends

1. Support for technical colleges

State legislators and the public perceive technical colleges as providing strong value for their communities. Tri-County Technical College is viewed as a key partner in economic and workforce development within our service area.

2. College affordability

Higher education will continue to experience pressure to ensure college remains affordable. Financial aid covers the billable costs to attend Tri-County Technical College for those most in need. Yet, the college must remain vigilant in controlling student debt while balancing decreased state funding for higher education.

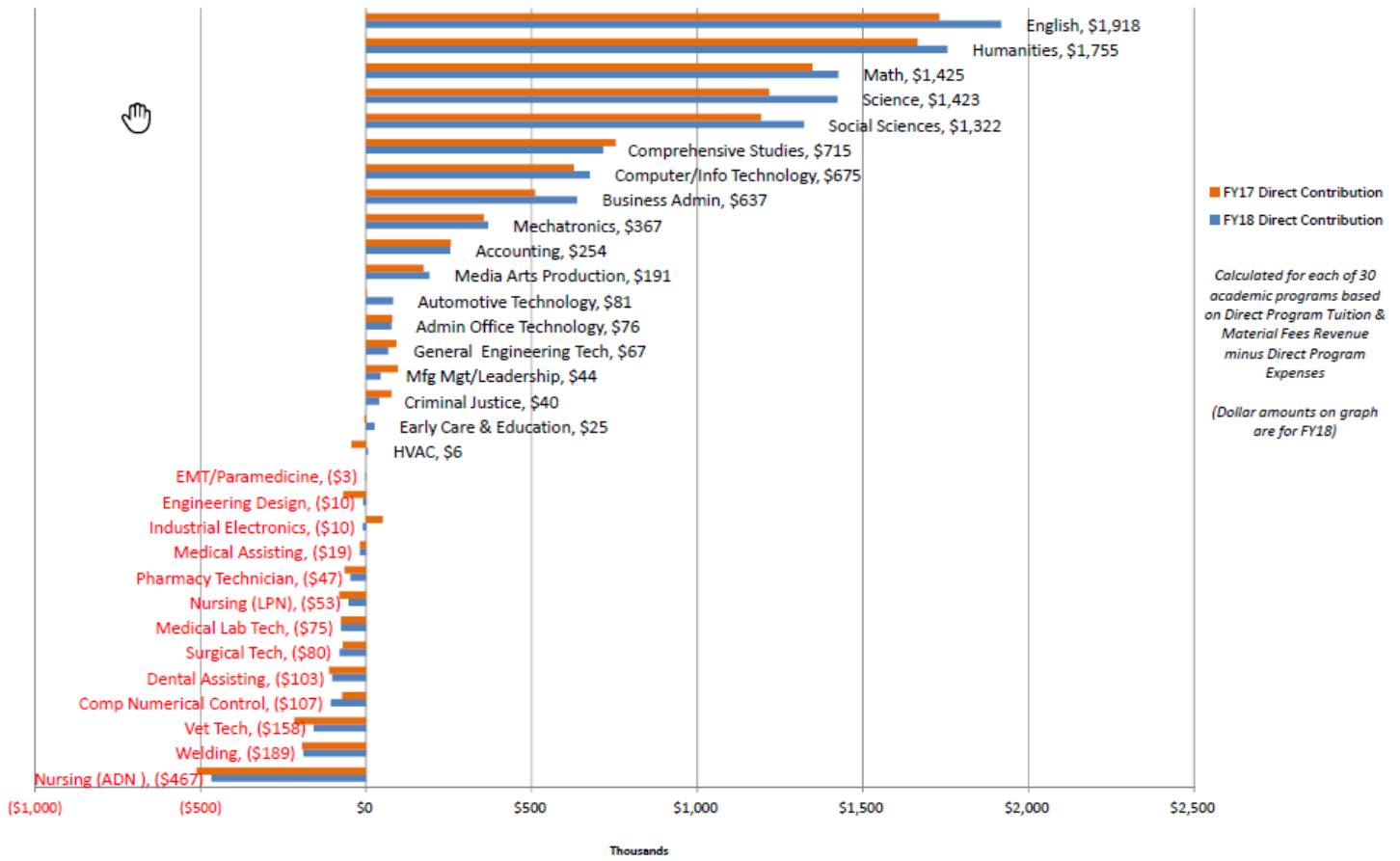
3. Accountability

Scrutiny regarding institutional accountability for improving student outcomes will continue to increase. Funding is likely to be tied to institutional and student outcomes measures. Community college completion rates continue to be a major focus of state and federal constituents.

4. Intensified focus on partnerships

Federal and state legislation will continue to emphasize the importance of K-12 and industry partnerships to ensure more seamless pathways into the workforce.

Direct Revenue minus Direct Costs by Academic Program
Year-Over-Year Comparison : FY 2017 vs. FY 2018
in \$ Thousands (Final 11-16-18)



Tri-County Technical College

Program Demand Gap Analysis

January 2019



409 South Jackson St, Moscow, ID 83843

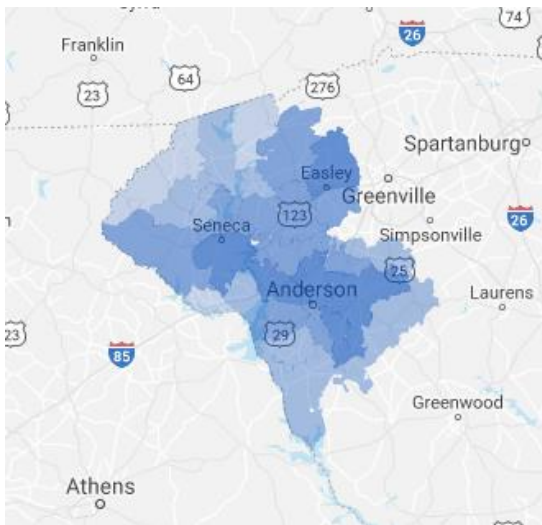
TEL: (208) 883-3500 | FAX: (208) 882-3317 | www.EconomicModeling.com

Executive Summary

Tri-County Technical College (TCTC) is a public, two-year postsecondary educational institution in South Carolina. To further its goal of providing a “stimulating, rigorous, and inclusive learning environment,” TCTC pursues continual improvement in various forms. An up-to-date understanding of the regional economy and the demand for skilled labor is vital to the planning efforts of colleges and universities seeking to adapt their program offerings to the requirements of an ever-changing workforce.

For purposes of this report, TCTC serves a larger region beyond Anderson County. This region, called the TCTC Service Region, is comprised of three counties in South Carolina: Anderson, Oconee, and Pickens Counties (Figure 1). This report outlines the region’s economy and provides a program demand gap analysis to determine how well TCTC’s program offerings satisfy regional workforce demand. This report also offers recommendations for new program development. The following figures and table display key findings of the analyses.

FIGURE 1: MAP OF THE TCTC SERVICE REGION



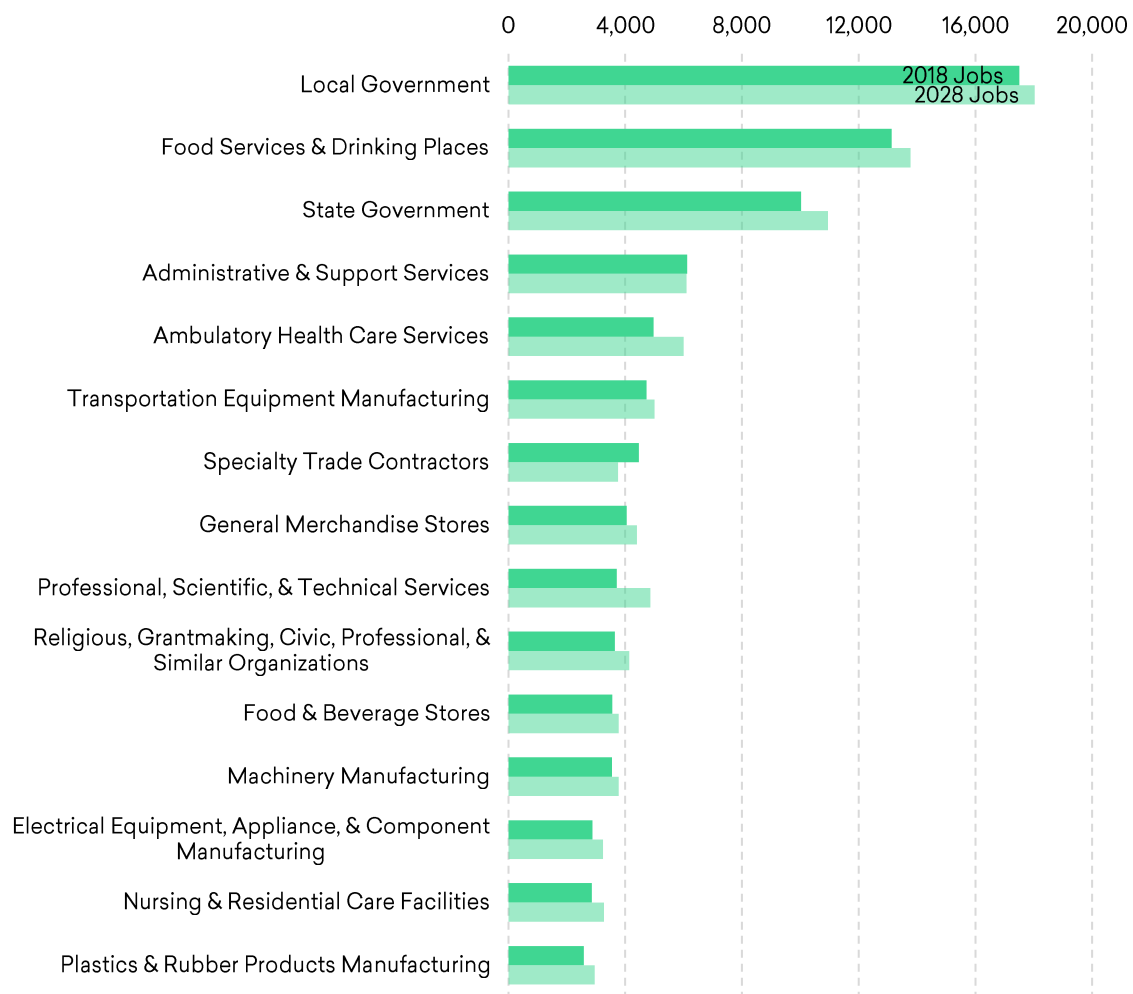
Source: Emsi Analyst. Region provided by TCTC.



ECONOMIC OVERVIEW

Figure 2 displays the top industry subsectors in terms of employment in the TCTC Service Region, and Figure 3 shows the top industry subsectors in terms of employment concentrations, referred to as location quotients (LQs). High LQs (usually anything greater than 1.2) are an indication that the region has a comparative advantage or specialization in certain industry subsectors relative to the rest of the nation or potentially to other competing regions.

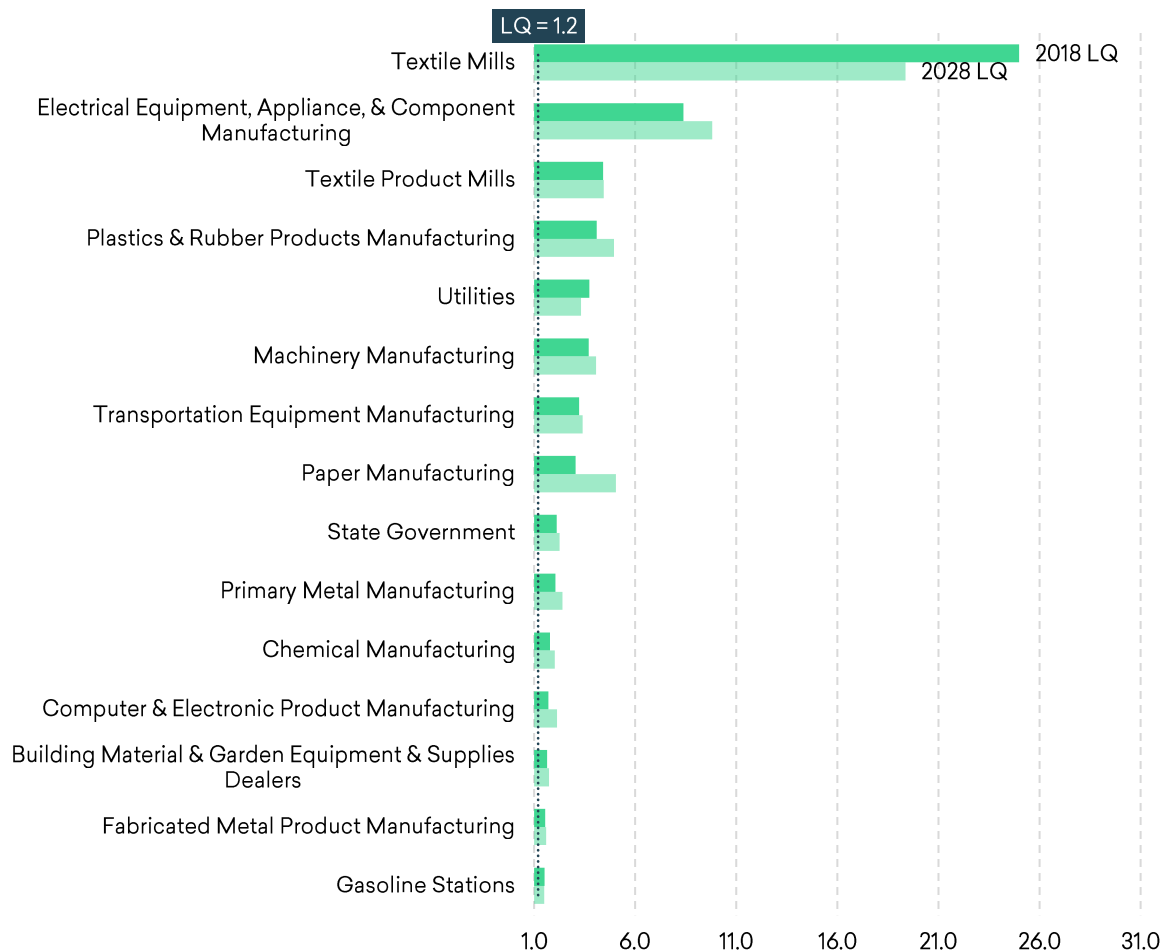
FIGURE 2: TOP INDUSTRY SUBSECTORS IN THE TCTC SERVICE REGION BY JOBS



Source: Emsi program demand gap model.



FIGURE 3: TOP INDUSTRY SUBSECTORS IN THE TCTC SERVICE REGION BY EMPLOYMENT CONCENTRATION (LQ)



Source: Emsi program demand gap model.

Across all of TCTC Service Region’s industry subsectors, five are within the top 15 in terms of jobs and relatively large LQs. The appearance of these industry subsectors provides an indication of their strength in the region’s economy and offers the college insight into potential employment opportunities for its students. The five industry subsectors are:

- State Government
- Transportation Equipment Manufacturing
- Machinery Manufacturing



- Electrical Equipment, Appliance, & Component Manufacturing
- Plastics & Rubber Products Manufacturing

PROGRAM DEMAND GAP ANALYSIS

The program demand gap analysis provides results across all of TCTC's certificate and associate degree level programs, referred to by their formal CIP code titles.¹ The analysis connects the college's program completers with the availability of regional job openings. Furthermore, the analysis focuses on the gaps and surpluses in the programs by award level. A gap or surplus larger than 90 is considered beyond normal labor market fluctuations and therefore an area of consideration for program development.

TCTC offers 26 certificate level programs, eight of which have a significant gap above the 90-job level of significance, as shown in Figure 4. The eight programs are:

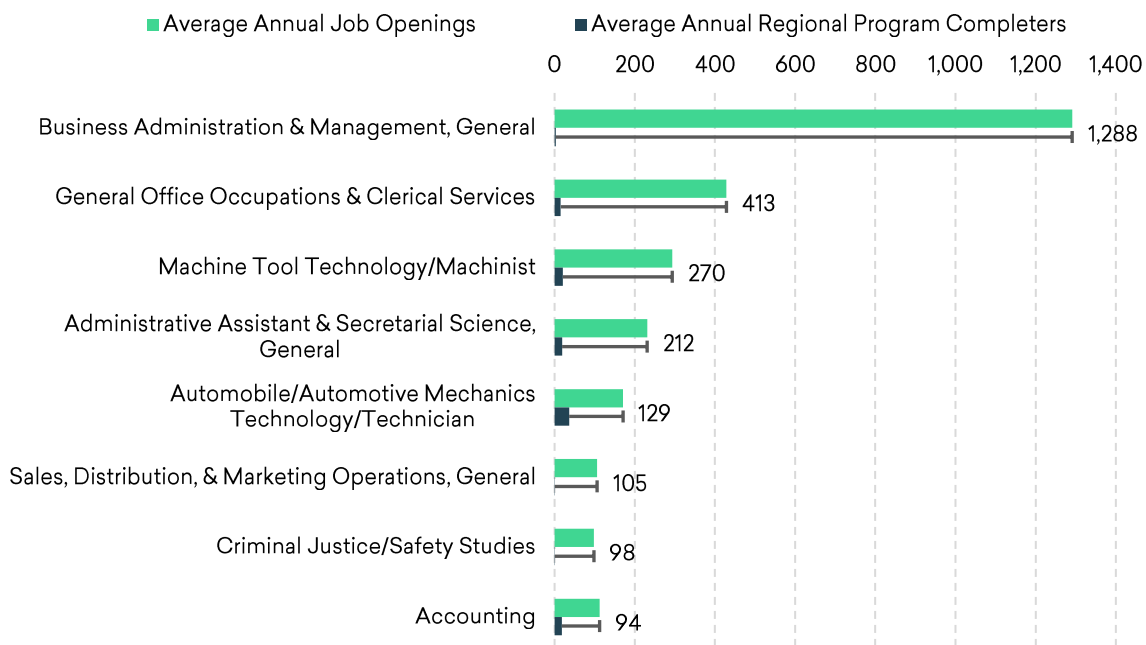
- Business Administration & Management, General
- General Office Occupations & Clerical Services
- Machine Tool Technology/Machinist
- Administrative Assistant & Secretarial Science, General
- Automobile/Automotive Mechanics Technology/Technician
- Sales, Distribution, & Marketing Operations, General
- Criminal Justice/Safety Studies
- Accounting

All should be considered for expansion at the certificate level, considering the industries and occupations of the TCTC Service Region. Understanding that some of these programs did not work at the certificate level at TCTC, including their associated skill sets in an associate degree is a strong way to capture these aspects of the market and make completers competitive. No programs at this award level have a significant surplus.

1 CIP refers to the Classification of Instructional Program and was originally developed by the U.S. Department of Education's National Center for Education Statistics (NCES).

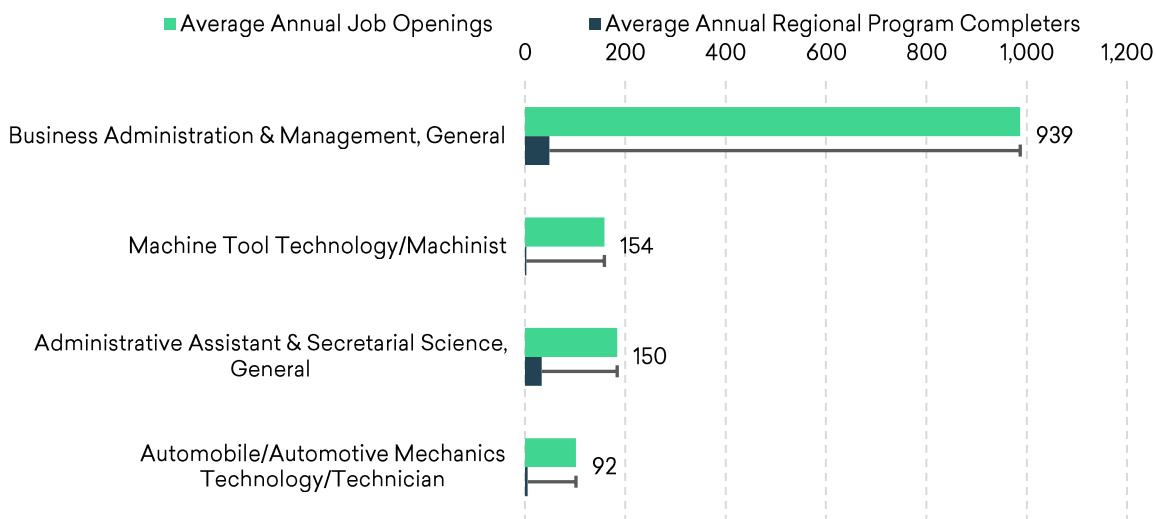


FIGURE 4: SIGNIFICANT CERTIFICATE LEVEL GAPS



Source: Emsi program demand gap model.

FIGURE 5: SIGNIFICANT ASSOCIATE DEGREE LEVEL GAPS



Source: Emsi program demand gap model.



At the associate degree level, four programs have a significant gap (Figure 5). Several should be considered for a college-wide expansion, many of which are related to other associate degree level programs without a significant 90-job gap. Furthermore, if the associate degree level program is associated with a formal industry-specific certificate, permit, or license required for employment, it is also recommended for expansion. The four programs are:

- Business Administration & Management, General
- Machine Tool Technology/Machinist
- Administrative Assistant & Secretarial Science, General
- Automobile/Automotive Mechanics Technology/Technician

A liberal arts program expansion is not recommended at this time, but TCTC administrators should be aware that students can find success in a variety of business-related occupations. Using Emsi's Profile Analytics database, many liberal arts program completers are currently employed as retail salespersons, administrative assistants, customer service representatives, as well as a variety of managers and supervisors. These occupations have a considerable number of job openings in the TCTC Service Region. The college's liberal arts program, therefore, serves as a starting point to students' career goals beyond an associate degree level of education.

PROGRAM ADDITIONS

Twenty certificate and eleven associate degree level programmatic areas of opportunity have been identified in the program demand gap analysis, many of which are related to service, healthcare, or business programs. Please note that these tables highlight particular occupations, and in many cases a program can be designed to train for multiple occupations. Once these occupations are grouped with other similar occupations – such as physical therapist assistants and occupational therapy assistants at the associate degree level – the actual workforce gap may be larger. Many program additions are related to TCTC's current program offerings. This indicates an opportunity for a curriculum adjustment to better align with the region's current and projected labor market demand, such as by adding new areas of emphasis to existing courses at TCTC. A selection of these occupations, which have the most regional job openings by award level, appear in Table 1.



TABLE 1: PROGRAM ADDITIONS BY EDUCATION LEVEL

SOC CODE	SOC TITLE	ANNUAL JOB OPENINGS	ANNUAL REGIONAL COMPLETERS	GAP	MEDIAN HOURLY WAGE	EDUCATION LEVEL
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	143	0	143	\$12.35	Certificate
39-9032	Recreation Workers	31	0	31	\$14.57	Certificate
35-1011	Chefs and Head Cooks	30	0	30	\$16.67	Certificate
53-1048	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	24	0	24	\$23.59	Certificate
39-9031	Fitness Trainers and Aerobics Instructors	24	1	24	\$13.72	Certificate
31-2021	Physical Therapist Assistants	10	0	10	\$25.59	Associate
29-2021	Dental Hygienists	8	0	8	\$28.73	Associate
29-2034	Radiologic Technologists	8	0	8	\$23.99	Associate
29-1126	Respiratory Therapists	6	0	6	\$23.99	Associate
31-2011	Occupational Therapy Assistants	4	0	4	\$29.72	Associate

SOC refers to the Standard Occupational Classification system used to classify occupations. Average annual job openings represent regional data from 2018 to 2028. Numbers may not sum due to rounding. Due to insufficient data, the region's median hourly wage rates by occupation are aggregated across all educational levels.

Source: Emsi program demand gap model.

